

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Grant Rodolph on March 17, 2008.

The application has been amended as follows:

Claims:

On line ~~5~~^{SCE 4/11/08} of claim 22, *inserted* --via a selectively permeable barrier or a phase differential-- *after* "arresting the Diels-Alder adduct".

The following is an examiner's statement of reasons for allowance: The primary reason for allowance is that the prior art or record does not teach a process for separating Diels-Alder adduct from a composition via a selective permeable barrier or a phase differential.

Brown et al. (U.S 5,300,126) teaches a method for removing dienes from a mixture comprising olefins by contacting the mixture with dienophile to produce a product mixture comprising olefins and Diels-Alder adduct. The product mixture is then subjected to an etherification process. The Brown process does not teach the removal the adduct from the olefins. It is not obvious to separate the adduct from the product mixture of Brown.